

PTO/SB/01 (10-01)  
Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)</b>  <input type="checkbox"/> Declaration Submitted with Initial Filing      OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Attorney Docket Number	06816.0505
	First Named Inventor	B. Lockyear
	<b>COMPLETE IF KNOWN</b>	
	Application Number	10 / 642,885
	Filing Date	08/18/03
	Art Unit	
Examiner Name		

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Method and Apparatus For Solving Constraints

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY)

08/18/03

as United States Application Number or PCT International

Application Number

10 / 642,885

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

(Customer No. 000035795)

[Page 1 of 2]

(App. No. 10/642,885)

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

BEST AVAILABLE COPY

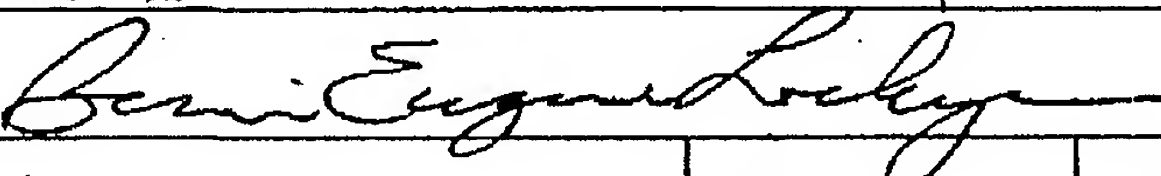
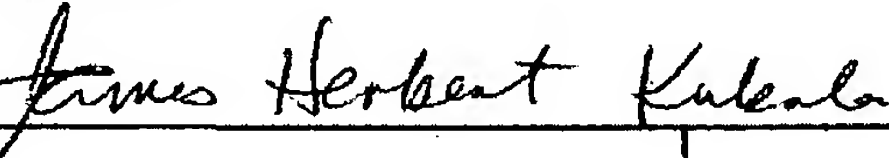
PTO/SB/01 (10-01)

Approved for use through 10/31/2002. OMB 0851-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION — Utility or Design Patent Application**

Direct all correspondence to: <input checked="" type="checkbox"/>		Customer Number or Bar Code Label		000035795		OR <input type="checkbox"/> Correspondence address below	
Name							
Address							
City				State		ZIP	
Country			Telephone			Fax	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.							
NAME OF SOLE OR FIRST INVENTOR :				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name Brian Eugene (first and middle [if any])				Family Name Lockyear or Surname			
Inventor's Signature 				Date 3/8/04			
Portland Residence: City			OR State		U.S.A. Country		U.S.A. Citizenship
Mailing Address 3045 NW Thurman Street							
Portland City			OR State		97210 ZIP		U.S.A. Country
NAME OF SECOND INVENTOR :				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name James Herbert (first and middle [if any])				Family Name Kukula or Surname			
Inventor's Signature 				Date 3/8/04			
Hillsboro Residence: City			OR State		U.S.A. Country		U.S.A. Citizenship
Mailing Address 3027 NW Overlook Dr Apt 913							
Hillsboro City			OR State		97124 ZIP		U.S.A. Country
<input checked="" type="checkbox"/> Additional Inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.							

(Attorney Docket No. 06816.0505)

(Page 2 of 2)

(App. No. 10/642,885)

BEST AVAILABLE COPY

Please type a plus sign (+) inside this box → 

PTO/SB/02A (11-00)

Approved for use through 10/31/2002. OMB 0851-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION****ADDITIONAL INVENTOR(S)**  
**Supplemental Sheet**  
Page 1 of 1

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Robert F.		Damiano	
Inventor's Signature <i>Robert F. Damiano</i>		Date <i>3/8/04</i>	
Residence: City Lake Oswego	State OR	Country U.S.A.	Citizenship U.S.A.
Mailing Address 2650 Lookout Court			
Mailing Address			
City Lake Oswego	State OR	ZIP 97034	Country U.S.A.
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Carl Preston		Pixley	
Inventor's Signature <i>Carl Preston Pixley</i>		Date <i>8 March 2004</i>	
Residence: City Beaverton	State OR	Country U.S.A.	Citizenship U.S.A.
Mailing Address 16670 NW Mission Oaks Drive			
Mailing Address			
City Beaverton	State OR	ZIP 97006	Country U.S.A.
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	ZIP	Country

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

(Customer No. 35795; App. No. 10/642,885)

(Attorney Docket No. 06816.0505)

**BEST AVAILABLE COPY**

OPR/ASSIGNMENTS

3/31/04 8:30 PAGE 2/4 RightFAX



MARCH 31, 2004

JONATHAN T. KAPLAN  
140 NASSAU STREET  
NEW YORK, NY 10038



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231



\*700074258A\*

PTAS

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/25/2004

REEL/FRAME: 014461/0006  
NUMBER OF PAGES: 9

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
LOCKYEAR, BRIAN EUGENE

DOC DATE: 03/02/2004

ASSIGNOR:  
KUKULA, JAMES HERBERT

DOC DATE: 01/16/2004

ASSIGNOR:  
DAMIANO, ROBERT F.

DOC DATE: 02/11/2004

ASSIGNOR:  
PIXLEY, CARL PRESTON

DOC DATE: 03/04/2004

ASSIGNEE:  
SYNOPSIS, INC.  
700 EAST MIDDLEFIELD ROAD  
MOUNTAIN VIEW, CALIFORNIA 94043

BEST AVAILABLE COPY

OPR/ASSIGNMENTS 3/31/04 8:30 PAGE 3/4 RightFAX

014461/0006 PAGE 2

SERIAL NUMBER: 10642885  
PATENT NUMBER:

FILING DATE: 08/18/2003  
ISSUE DATE:

SHAREILL COLES, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

BEST AVAILABLE COPY

OPR/ASSIGNMENTS

3/31/04 8:30 PAGE 4/4 RightFAX

Page 4 of 12

2004-03-25 18:37:09 (GMT)

19175912977 From: Jonathan Kaplan

03/25/2004  
700074258

Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005) Tab settings ⇌ ⇌ ⇌ ▼ ▼ ▼ ▼ ▼ ▼ ▼		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): Brian Eugene Lockyear James Herbert Kukula Robert F. Damiano Carl Preston Pixley Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies) Name: <u>Synopsys, Inc.</u> Internal Address: _____ _____ _____ Street Address: _____ <u>700 East Middlefield Road</u> <u>Mountain View</u> <u>CA</u> <u>94043</u> City: _____ State: _____ Zip: _____ Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>03/02/04; 01/16/04; 02/11/04; 03/04/04</u>					
4. Application number(s) or patent number(s): <u>App. No. 10/642,885 filed 08/18/03</u> If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s) _____ B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Jonathan T. Kaplan</u> Internal Address: _____ _____ _____ Street Address: _____ <u>140 Nassau Street</u> <u>New York</u> <u>NY</u> <u>10038</u> City: _____ State: _____ Zip: _____			6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41): <u>\$ 40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>502584</u> (Attach duplicate copy of this page if paying by deposit account)		
DO NOT USE THIS SPACE					
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> <u>Jonathan T. Kaplan, Reg.No. 38,935</u> <u>Jonathan T. Kaplan</u> <u>03/25/04</u> Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and documents: <u>9</u>					

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

BEST AVAILABLE COPY



Carl Preston Pixley  
Senior Director, ATG  
Synopsis, Inc.  
2025 NW Cornelius Pass Rd.  
Hillsboro, OR 97124  
Ph: 503-547-6405 Fax: 503.547.6906

Statement By Inventor To Be Added, In Accordance  
With 37 CFR 1.48(a)(2)

*Commissioner for Patents*  
*P.O. Box 1450*  
*Alexandria, VA 22313-1450*

Re: U.S. Non-Provisional Utility Patent Application  
Appl. No. 10/642,885 / Filed: August 18, 2003  
Title: Method and Apparatus for Solving Constraints  
Inventors: Brian E. Lockyear et al.  
Attorney Docket: 06816.0505

Sir:

The omission of myself as an inventor, for the above-identified patent application, occurred without deceptive intent on my part.

Respectfully submitted,

Signed: Carl Preston Pixley  
Carl Preston Pixley

Dated: 4 March 2004

BEST AVAILABLE COPY